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Notice of Allowability	Application No.	Applicant(s)	
	10/686,108	BAUDINO, MICHAEL D.	
	Examiner	Art Unit	
	Carl H. Layno <i>Carl H. Layno</i> 5/9/05	3762	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Paper No. 03212005.
2. ☒ The allowed claim(s) is/are 17-20.
3. ☒ The drawings filed on 15 October 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>9/23/04</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. Acknowledgment is made of applicant's amendment and 3-month extension of time, which were received by the Office on March 21, 2005.

2. Claims 1-16 and 21 are canceled. Claims 17-20 are active.

Information Disclosure Statement

3. Acknowledgment is made of applicant's Information Disclosure Statement (PTO-1449), which was received by the Office on September 23, 2004.

Specification

4. In view of the applicant's modifications to the specification, the Examiner is withdrawing the objections which were made against the specification in the last Office action.

Claim Rejections - 35 USC § 102

5. In view of applicant's cancellation of claims 1-16 and 21, the Examiner is withdrawing the 35 U.S.C 102(b) rejections of Lessar et al '866 and Laske et al'341, which were made against claims 1-16 and 21 in the last Office action.

Allowable Subject Matter

6. Claims 17-20 are allowed.

Reasons for Allowance

7. The following is an examiner's statement of reasons for allowance:

Independent claim 17 describes the construction of a low impedance conductor for a low impedance extension. The conductor comprises a conductive outer surface and inner core having different impedances, but whose composite resistance ranges from 0.05-0.3 ohms per centimeter. Although the prior art references of record, recently submitted by the applicant, admit of conductors constructed with conductive inner cores and outer surfaces, these references primarily tout the use of platinum, silver, or copper inner cores surrounded by outer surfaces of either MP35N or titanium. According to the electrical resistivity property data supplied by MatWeb (see accompanying PTO-892), a composite sum of resistance between any two of these materials would still be orders of magnitude smaller than applicant's claimed range of 0.05-0.3 ohms per centimeter. The Examiner was unable to find a conductor having this arrangement with the resistance ranges claimed; consequently, the Examiner deems independent claim 17 and depending claims 18-20 to be allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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CARL LAYNO
PRIMARY EXAMINER

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5/7/2005